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**From:** Alvey, Robert [Alvey.Robert@epa.gov]  
**Sent:** 11/20/2014 7:18:46 PM  
**To:** Scharf, Steven (DEC) [steven.scharf@dec.ny.gov]  
**CC:** Stein, Carol [Stein.Carol@epa.gov]  
**Subject:** RE: Hydraulic Head Study Tetra Tech - Northrop/Grumman- Navy Bethpage

Hello Steve and Carol,

I didn't expect this report, but thank you. I have a few concerns as to whether it is simply for EPA informational purposes or whether you and Carol feel it is necessary for me to review and weigh in any comments or suggestions. (That's not a complaint if you thought it might be.)

It's rather short so I don't mind, but I see that the Navy apparently engaged USGS for groundwater modeling. If that's the case, I would like to be able to discuss with USGS what they are doing for modeling and if this was what they needed. I've no info on who selected or why the specific wells were used. I did observe that the period was only Nov-March and that is the normal "minimal use" or pumping season for public water utilities, so there would be a lot less stress on the aquifers during that period...and it does not appear they got any actual public supply well operating data from the water companies.

I should know what the goal of the modeling is for and whether there were independent efforts to get pumping and operational data for each specific supply well. The similar concern would be why the winter period was used rather than the summer high demand peak season which should surely stress the heck out of the groundwater. Some public wells are pumping at maximum design capacity + which needs to be factored in.

Any thoughts or ideas? I'll be out fri, Tues, Thurs & fri next week.

Also, did you and Carol get the answers coordinated as far as the detections reported in the "King" letter?

Regards,  
Rob

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**From:** Scharf, Steven (DEC) [mailto:steven.scharf@dec.ny.gov]  
**Sent:** Thursday, November 20, 2014 8:58 AM  
**To:** Alvey, Robert  
**Subject:** Hydraulic Head Study